EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1	("5,384,250").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/15 14:29
S1	20	US-4692332-$.DID. OR US-4873316-$.DID. OR US-4877610-$.DID. OR US-4966753-$.DID. OR US-4970071-$.DID. OR US-5130415-$.DID. OR US-5206153-$.DID. OR US-5302698-$.DID. OR US-5322775-$.DID. OR US-5384250-$.DID. OR US-5589604-$.DID. OR US-5633076-$.DID. OR US-5639940-$.DID. OR US-5648243-$.DID. OR US-5723585-$.DID. OR US-5766884-$.DID. OR US-5827690-$.DID. OR US-5831141-$.DID. OR US-5843705-$.DID. OR US-5843776-$.DID.	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:42
S2	4	US-5965528-$.DID. OR US-6013857-$.DID. OR US-6288034-$.DID. OR US-6331611-$.DID.	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S3	10348	Alphafetoprotein or AFP or foetoprotein or fetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S4	70	S3 near8 (mutant or mutation or mutate)	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S5	2	S4 with "233"	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S6	2	S4 with glutamine	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S7	0	S6 not S5	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S8	26	Alphafoetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S9	0	S8 near8 (mutant or mutation or mutate)	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S10	10348	Alphafetoprotein or AFP or foetoprotein or fetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S11	26	Alphafoetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S12	329	(S10 or S11) with fragment	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50

EAST Search History

S13	15	S12 with domain	US-PGPUB; USPAT	ADJ	ON	2006/09/15 14:29

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 NEWS  3  FEB 27   New STN AnaVist pricing effective March 1, 2006
 NEWS  4  MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
 NEWS  5  MAY 11   KOREAPAT updates resume
 NEWS  6  MAY 19   Derwent World Patents Index to be reloaded and enhanced
 NEWS  7  MAY 30   IPC 8 Rolled-up Core codes added to CA/CAplus and
                   USPATFULL/USPAT2
 NEWS  8  MAY 30   The F-Term thesaurus is now available in CA/CAplus
 NEWS  9  JUN 02   The first reclassification of IPC codes now complete in
                   INPADOC
 NEWS 10  JUN 26   TULSA/TULSA2 reloaded and enhanced with new search and
                   and display fields
 NEWS 11  JUN 28   Price changes in full-text patent databases EPFULL and PCTFULL
 NEWS 12  JUl 11   CHEMSAFE reloaded and enhanced
 NEWS 13  JUl 14   FSTA enhanced with Japanese patents
 NEWS 14  JUl 19   Coverage of Research Disclosure reinstated in DWPI
 NEWS 15  AUG 09   INSPEC enhanced with 1898-1968 archive
 NEWS 16  AUG 28   ADISCTI Reloaded and Enhanced
 NEWS 17  AUG 30   CA(SM)/CAplus(SM) Austrian patent law changes
 NEWS 18  SEP 11   CA/CAplus enhanced with more pre-1907 records

 NEWS EXPRESS  JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
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               AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

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DICTIONARY FILE UPDATES:  14 SEP 2006  HIGHEST RN 906714-10-1

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http://www.cas.org/ONLINE/UG/regprops.html

=> s alpha(w) fetoprotein
       3222172 ALPHA
           189 FETOPROTEIN
L1         175 ALPHA(W) FETOPROTEIN

=> index biosci
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     9.96      10.17

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       AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
       DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006

68 FILES IN THE FILE LIST IN STNINDEX

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=> s l1
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         37   FILE ADISNEWS
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         88   FILE ANABSTR
          6   FILE AQUASCI
        121   FILE BIOENG
      10149   FILE BIOSIS
        298   FILE BIOTECHABS
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       2470   FILE BIOTECHNO
        343   FILE CABA
       5780   FILE CAPLUS
         20   FILE CEABA-VTB
         28   FILE CIN
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          1   FILE CAPLUS
  23 FILES SEARCHED...
          1   FILE EMBASE
          1   FILE IFIPAT
          1   FILE MEDLINE
  49 FILES SEARCHED...
          2   FILE SCISEARCH
          1   FILE TOXCENTER
       4392   FILE USPATFULL
        342   FILE USPAT2

   9 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L2   QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

=> d rank
F1        4392   USPATFULL
F2         342   USPAT2
F3           2   SCISEARCH
F4           1   BIOTECHNO
F5           1   CAPLUS
F6           1   EMBASE
F7           1   IFIPAT
F8           1   MEDLINE
F9           1   TOXCENTER


=> file f3-f9
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               2.44      12.61

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=> s l2
L3            2 L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4             2 DUP REM L3 (0 DUPLICATES REMOVED)

=> d l4 bib ab 1-2

L4   ANSWER 1 OF 2  SCISEARCH  COPYRIGHT (c) 2006 The Thomson Corporation  on
     STN
AN   1995:747120  SCISEARCH <<LOGINID::20060915>>
GA   The Genuine Article (R) Number: TC362
TI   PROLIFERATION AND DIFFERENTIATION OF A HUMAN HEPATOBLASTOMA TRANSPLANTED
     IN THE NUDE-MOUSE
AU   DESDOUETS C (Reprint); FABRE M; GAUTHIER F; BRECHOT C; SOBCZAKTHEPOT J
CS   FAC MED NECKER ENFANTS MALAD, INSERM, U370, F-75730 PARIS 15, FRANCE; HOP
     BICETRE, SERV CENT ANAT PATHOL, LE KREMLIN BICETR, FRANCE
CYA  FRANCE
SO   JOURNAL OF HEPATOLOGY, (NOV 1995) Vol. 23, No. 5, pp. 569-577.
     ISSN: 0169-5185.
PB   MUNKSGAARD INT PUBL LTD, 35 NORRE SOGADE, PO BOX 2148, DK-1016 COPENHAGEN,
     DENMARK.
DT   Article; Journal
FS   LIFE; CLIN
LA   English
REC  Reference Count: 36
ED   Entered STN: 1995
     Last Updated on STN: 1995
     *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
AB       A pure epithelial human hepatoblastoma was directly transplanted to
     athymic Nude mice to provide a model system to study proliferation acid
     differentiation of these tumoral cells, The first transplantation selected
     the embryonal component of this tumor, while subsequent passages selected
     in addition neuroendocrine and mesenchymal cells that evolved into osteoid
     and bony trabeculae, The embryonal character of this hepatoblastoma was
     further demonstrated by the expression of  ***glutamine***  synthetase
     mRNA and a fetal pattern of mRNAs encoding insulin-like growth factor II,
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However, alphafetoprotein mRNA was detectable in neither the original nor the transplanted tumors. Finally, although p53 mRNA levels were increased, no ***mutation*** was detected in the p53 gene. (C) Journal of Hepatology.

L4 ANSWER 2 OF 2 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 1992:78872 SCISEARCH <<LOGINID::20060915>>
GA The Genuine Article (R) Number: HB111
TI NUCLEOTIDE-SEQUENCE OF PROTHROMBIN GENE IN ABNORMAL PROTHROMBIN-PRODUCING HEPATOCELLULAR-CARCINOMA CELL-LINES
AU TAGAWA M; OMATA M (Reprint); OHTO M
CS CHIBA UNIV, SCH MED, DEPT MED 1, 1-8-1 INOHANA, CHIBA 280, JAPAN (Reprint)
CYA JAPAN
SO CANCER, (1 FEB 1992) Vol. 69, No. 3, pp. 643-647.
ISSN: 0008-543X.
PB WILEY-LISS, DIV JOHN WILEY & SONS INC 605 THIRD AVE, NEW YORK, NY 10158-0012.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 36
ED Entered STN: 1994
Last Updated on STN: 1994
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
AB A protein induced by vitamin K absence or antagonist II, PIVKA-II is synthesized in the liver and possesses a structure similar to prothrombin except that ten glutamic acid residues in amino-terminal Gla domain are not completely gamma-carboxylated and are functionally inactive. This protein can be detected in the plasma of patients with hepatocellular carcinoma (HCC) and used as a new tumor marker. To analyze the mechanism of PIVKA-II production in HCC tissue, the prothrombin gene of PIVKA-II-secreting HCC cell lines was sequenced to detect the ***mutation*** in the Gla domain and carboxylase recognition site of leader sequence located on exons I and II that may cause the inhibition of carboxylation. Exons I and II and donor and acceptor site of intron I of the prothrombin gene in two HCC cell lines, PLC/PRF/5 and huH-2, were analyzed by polymerase chain reaction (PCR), and the product was sequenced directly. In addition, RNA samples of these cell lines were used for complementary DNA synthesis, followed by PCR and sequencing. The nucleotide sequences of the Gla domain in both HCC cell lines were conserved. One nucleotide change was detected at nt.554 (adenine to guanine), but this did not influence the amino acid sequence. Splicing sites between exons I and II, the leader sequence of the precursor prothrombin, and protease target sites also were conserved as the reported prothrombin gene, and mutations reported for other des-gamma-carboxy coagulation factors were not detected. These results also were confirmed by DNA analysis of seven human fresh-frozen samples (three PIVKA-II-positive HCC samples and four control specimens). The mechanism of PIVKA-II production in HCC is still unclear, but it is not caused by ***mutation*** in the prothrombin gene.

=> d his

(FILE 'HOME' ENTERED AT 13:37:35 ON 15 SEP 2006)

FILE 'REGISTRY' ENTERED AT 13:37:52 ON 15 SEP 2006
L1 175 S ALPHA(W) FETOPROTEIN

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006

SEA L1	
100	FILE ADISCTI
16	FILE ADISINSIGHT
37	FILE ADISNEWS
97	FILE AGRICOLA
88	FILE ANABSTR
6	FILE AQUASCI
121	FILE BIOENG
10149	FILE BIOSIS
298	FILE BIOTECHABS
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343	FILE CABA
5780	FILE CAPLUS
20	FILE CEABA-VTB
28	FILE CIN
197	FILE CONFSCI
102	FILE DDFB
0*	FILE DDFU

SEA L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE	
1	FILE BIOTECHNO
1	FILE CAPLUS
1	FILE EMBASE
1	FILE IFIPAT
1	FILE MEDLINE
2	FILE SCISEARCH
1	FILE TOXCENTER
4392	FILE USPATFULL
342	FILE USPAT2

L2 QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

FILE 'SCISEARCH, BIOTECHNO, CAPLUS, EMBASE, IFIPAT, MEDLINE, TOXCENTER' ENTERED AT 13:40:19 ON 15 SEP 2006
L3 2 S L2
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> index biosci -uspatfull -uspat
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USPATALL - US Patent Full Text Cluster
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FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

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FULL ESTIMATED COST	42.81	55.42

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      AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:42:03 ON 15 SEP 2006

68 FILES IN THE FILE LIST IN STNINDEX

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=> s L1 AND (MUTANT OR MUTATION OR MUTATE)
         2   FILE ADISINSIGHT
         1   FILE AGRICOLA
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         2   FILE EMBAL
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        46   FILE IFIPAT
        31   FILE JICST-EPLUS
        40   FILE LIFESCI
       153   FILE MEDLINE
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        78   FILE PASCAL
         7   FILE PROMT
       147   FILE SCISEARCH
        73   FILE TOXCENTER
       420   FILE USPAT2
  62 FILES SEARCHED...
        22   FILE WPIDS
        22   FILE WPINDEX
      5324   FILE USPATFULL

  31 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX

L5   QUE L1 AND (MUTANT OR MUTATION OR MUTATE)

=> d rank
F1        5324   USPATFULL
F2         420   USPAT2
F3         234   EMBASE
F4         154   BIOSIS
F5         153   MEDLINE
F6         147   SCISEARCH
F7         140   CAPLUS
F8         101   BIOTECHNO
F9          85   DGENE
F10         78   PASCAL
F11         73   TOXCENTER
F12         70   ESBIOBASE
F13         46   IFIPAT
F14         40   LIFESCI
F15         31   JICST-EPLUS
F16         22   WPIDS
F17         22   WPINDEX
F18         15   BIOTECHABS
F19         15   BIOTECHDS
F20         11   CABA
F21          7   DISSABS
F22          7   PROMT
F23          4   BIOENG
F24          3   DRUGU
F25          2   ADISINSIGHT
F26          2   DDFU
F27          2   EMBAL
F28          1   AGRICOLA
F29          1   CONFSCI
F30          1   GENBANK
F31          1   NTIS


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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
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L6   478 L5

=> dup rem l6
DUPLICATE IS NOT AVAILABLE IN 'DGENE, ADISINSIGHT, GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7   314 DUP REM L6 (164 DUPLICATES REMOVED)

=> s l7 and human
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L8   166 L7 AND HUMAN

=> s l8 and 233
L9   0 L8 AND 233

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SEARCH ENDED BY USER

=> s l8 and (domain(w) II)
L10   0 L8 AND (DOMAIN(W) II)

=> d l8 trial 1-3

L8   ANSWER 1 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN   2006:609211 SCISEARCH
GA   The Genuine Article (R) Number: 055RC
TI   Differential promoter usage for insulin-like growth factor-II gene in Chinese hepatocellular carcinoma with hepatitis B virus infection
REC Reference Count: 49
CC   ONCOLOGY
ST   Author Keywords: hepatocellular carcinoma; insulin-like growth factor-II; genes; promoters; hepatitis B virus; prognosis; p53 ***mutation*** ; DNA extraction; adjacent tumor tissue; hepatocapsular invasion;
     alpha - ***fetoprotein*** ; microsatelite formation
STP KeyWords Plus (R): GAIN-OF-FUNCTION; IGF-II; MESSENGER-RNA; TRANSGENIC MICE; FUNCTION MUTATIONS; EXPRESSION; P53; HEPATOCARCINOGENESIS; TRANSCRIPTION; ACTIVATION
     ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8   ANSWER 2 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN   2006:582594 SCISEARCH
GA   The Genuine Article (R) Number: 050YB
TI   Evaluation of serum levels of p53 in hepatocellular carcinoma in Egypt
REC Reference Count: 16
CC   MEDICAL LABORATORY TECHNOLOGY
ST   Author Keywords: ***alpha*** - ***fetoprotein*** ; hepatitis B virus

(HBV); hepatitis C virus (HCV); hepatocellular carcinoma; p53
STP KeyWords Plus (R): HEPATITIS-C; B-VIRUS; PROGNOSIS; GENE
'ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS'

L8 ANSWER 3 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2006:417537 SCISEARCH
GA The Genuine Article (R) Number: 035PH
TI Subcloning and expression of ***human*** ***alpha*** - ***fetoprotein*** gene in Pichia pastoris
REC Reference Count: 22
CC BIOTECHNOLOGY & APPLIED MICROBIOLOGY
ST Author Keywords: ***alpha*** - ***fetoprotein*** ; Pichia pastoris; cloning; expression
STP KeyWords Plus (R): YEAST; PROTEIN; DNA; CONSERVATION; ALBUMIN; REGION
'ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS'

=> s l8 and (nonglycosylat? or (non(w) glycolylat?))
L11 1 L8 AND (NONGLYCOSYLAT? OR (NON(W) GLYCOLYLAT?))

=> s l8 and prokaryot?
L12 1 L8 AND PROKARYOT?

=> d l11 bib ab

L11 ANSWER 1 OF 1 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
AN 2004-226901 [21] WPIDS <<LOGINID::20060915>>
DNC C2004-089523
TI New purified thrombospondin fragment extracted from a body fluid, useful for diagnosing cancer e.g. adenoma, adenocarcinoma, carcinoma, lymphoma or leukemia or as calibrators, indicators, immunogens and analytes.
DC B04 D16
IN WILLIAMS, K J
PA (WILL-I) WILLIAMS K J
CYC 106
PI WO 2004018995 A2 20040304 (200421)* EN 76
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
US 2004053392 A1 20040318 (200421)
AU 2003262727 A1 20040311 (200457)
US 2005065324 A1 20050324 (200526)
EP 1572225 A2 20050914 (200560) EN
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
AU 2003262727 A8 20051103 (200629)
ADT WO 2004018995 A2 WO 2003-US26023 20030820; US 2004053392 A1 Provisional US 2002-405494P 20020823, US 2003-419462 20030421; AU 2003262727 A1 AU 2003-262727 20030820; US 2005065324 A1 Provisional US 2002-405494P 20020823, CIP of US 2003-419462 20030421, US 2004-782968 20040220; EP 1572225 A2 EP 2003-793149 20030820, WO 2003-US26023 20030820; AU 2003262727 A8 AU 2003-262727 20030820
FDT AU 2003262727 A1 Based on WO 2004018995; EP 1572225 A2 Based on WO 2004018995; AU 2003262727 A8 Based on WO 2004018995
PRAI US 2003-419462 20030421; US 2002-405494P 20020823
AB WO2004018995 A UPAB: 20040326
NOVELTY - A purified thrombospondin fragment that has been extracted from a bodily fluid, where the fragment is within a molecular weight range selected from 80-10 kDa, 40-60 kDa or 20-35 kDa, and where the size in kDa is determined by gel electrophoresis after disulfide bond reduction, is new.

DETAILED DESCRIPTION - A thrombospondin fragment or its portion comprising:

(a) one that starts between amino acyl residues N-230 and G-253 inclusive and ends between amino acyl residues V-400 and S-428;

(b) one that starts between amino acyl residues N-230 and G-253, inclusive and ends between amino acyl residues D-527 and S-551;

(c) one that starts between amino acyl residues N-230 and G-253, inclusive and ends between amino acyl residues G-787 and V-811;

(d) one that starts between amino acyl residues I-165 and V-263, inclusive and ends between amino acyl residues K-412 and 1-530;

(e) one that starts between amino acyl residues 1-165 and V-263, inclusive, and ends between amino acyl residues 1-530 and R-733;

(f) one that starts between amino acyl residues 1-165 and V-263, inclusive, and ends between amino acyl residues R-733 and Y-982;

(g) one that starts between amino acyl residues I-165 and V-263, inclusive, and ends between amino acyl residues K-412 and 1-530;

(h) one that starts between amino acyl residues 1-165 and V-263, inclusive, and ends between amino acyl residues 1-530 and R-733;

(i) one that starts between amino acyl residues 1-165 and V-263, inclusive, and ends between amino acyl residues R-792 and Y-982.

The thrombospondin fragment comprises at least 4-6 contiguous amino acyl residues from the thrombospondin sequence, where the amino acid sequence of the fragment is limited to one that is outside of a thrombospondin region given above.

INDEPENDENT CLAIMS are also included for:

(1) a molecule identical in primary structure to the compound above;

(2) a method to detect and/or quantify a thrombospondin fragment;

(3) a method of producing antibodies against a thrombospondin fragment comprising administering the fragment to an organism capable of producing antibodies;

(4) a monoclonal or polyclonal antibody produced by the method of (3);

(5) a cell line producing the monoclonal antibodies or the binding agent;

(6) a method of producing a peptide or non-peptide binding agent against a thrombospondin fragment;

(7) a kit for the determination of the presence of, and/or the amount of, and/or the concentration of, a thrombospondin fragment in a material taken or gathered from an organism comprising the thrombospondin fragment, a binding agent that will react with thrombospondin but not with the fragment or fragments of interest or an antibody that will react thrombospondin fragments of interest but not with thrombospondin;

(8) a method comprising determining the amount of the unlabeled or differently labeled fragment through comparison to the results obtained from the unlabeled or differently labeled fragment;

(9) a method to detect the presence and/or clinical course of a neoplastic disease in an individual; and

(10) a method of producing a binding agent against a thrombospondin

fragment comprising binding a phage to the thrombospondin fragment.

USE - The thrombospondin fragments are useful in diagnostic methods for cancer, as method calibrators, method indicators, as immunogens and as analytes for methods with sustained clinical utility. Cancer is selected from adenoma, adenocarcinoma, carcinoma, lymphoma, leukemia, solid cancer, liquid cancer, metastatic cancer, pre-metastatic cancer, non-metastatic cancer, a cancer with vascular invasion, internal cancer, skin cancer, cancer of the respiratory system, cancer of the circulatory system, cancer of the musculoskeletal system, cancer of a muscle, cancer of a bone, cancer of a joint, cancer of a tendon or ligament, cancer of the digestive system, cancer of the liver or biliary system, cancer of the pancreas, cancer of the head, cancer of the neck, cancer of the endocrine system, cancer of the reproductive system, cancer of the male reproductive system, cancer of the female reproductive system, cancer of the genitourinary system, cancer of a kidney, cancer of the urinary tract, cancer of a sensory system, cancer of the nervous system, cancer of a lymphoid organ, blood cancer, cancer of a gland, cancer of a mammary gland, cancer of a prostate gland, cancer of an endometrial tissue, cancer of a mesodermal tissue, cancer of an ectodermal tissue, cancer of an endodermal tissue, a teratoma, a poorly-differentiated cancer, a well-differentiated cancer, and a moderately differentiated cancer.

Dwg.0/4

=> d l12 bib ab

L12 ANSWER 1 OF 1 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
AN 2005-223393 [23] WPIDS <<LOGINID::20060915>>
DNC C2005-071646
TI New bifunctional protein comprising polypeptide domains with desired bioactivity and encodes ***human*** ***alpha*** - ***fetoprotein*** or its fragment, useful for treating e.g., viral infection, cancer rheumatoid arthritis and rhinitis.
DC B04 D16
IN COX, G; MEADE, H; COX, G F
PA (COXG-I) COX G F; (MEAD-I) MEADE H; (GENZ) GTC BIOTHERAPEUTICS INC
CYC 109
PI WO 2005024044 A2 20050317 (200523)* EN 127
RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
US 2006105347 A1 20060518 (200634)
EP 1670931 A2 20060621 (200643) EN
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR
ADT WO 2005024044 A2 WO 2004-US29128 20040903; US 2006105347 A1 Provisional US 2003-500910P 20030905, US 2004-933854 20040903; EP 1670931 A2 EP 2004-783398 20040903, WO 2004-US29128 20040903
FDT EP 1670931 A2 Based on WO 2005024044
PRAI US 2003-500910P 20030905; US 2004-933854 20040903
AB WO2005024044 A UPAB: 20050411
NOVELTY - A bifunctional protein encoded by a transgene DNA construct comprising a first polypeptide domain which has a desired bioactivity and a second polypeptide domain which has a desired bioactivity, where the encoded polypeptide of the first polypeptide domain is ***human*** ***alpha*** - ***fetoprotein*** or its fragment having the biological activity of ***human*** ***alpha*** - ***fetoprotein*** , is new.

DETAILED DESCRIPTION - A bifunctional protein encoded by a transgene DNA construct comprising a first polypeptide domain which has a desired bioactivity and a second polypeptide domain which has a desired bioactivity, together comprising the fusion protein where each first and second polypeptide domains retain their desired bioactivity where the encoded polypeptide of the first polypeptide domain is ***human*** ***alpha*** - ***fetoprotein*** or its fragment having the biological activity of ***human*** ***alpha*** - ***fetoprotein*** , is new.

INDEPENDENT CLAIMS are also included for the following:

(1) an isolated polynucleotide encoding the fully defined 591 amino acid (SEQ ID NO: 4) sequence given in the specification linked to any of 16 fully defined 93-464 amino acid (SEQ ID NO: 10-25) sequence given in the specification;

(2) a recombinant DNA vector comprising the nucleic acid sequence of the fusion protein, where the vector is an expression vector comprising a promoter operably linked to the fusion protein;

(3) a host cell transformed with the recombinant DNA vector;

(4) a fusion protein produced by a method comprising expressing the fusion protein above by a cell or transgenic animal and recovering the protein;

(5) a method for the production of transgenic animals capable of producing a fusion protein of interest;

(6) the resultant offspring of the method above;

(7) the resultant milk derived from the offspring; and

(8) an isolated nucleic acid sequence comprising fully defined 2029 bp (SEQ ID NO: 1) sequence given in the specification.

ACTIVITY - Virucide; Anti-HIV; Cytostatic; Antirheumatic; Antiarthritic; Neuroprotective; Osteopathic; Antipsoriatic; Muscular-Gen.; Immunosuppressive; Dermatological; Antiallergic; Antiinflammatory; Vulnerary; Antidiabetic; Hepatotropic. No biological data given.

MECHANISM OF ACTION - Protein therapy.

USE - The fusion protein or a composition of matter containing the fusion protein is useful for treating a disease or condition such as viral infection, preferably caused by HIV, cancer (e.g., ***human*** cancer or tumor cell), rheumatoid arthritis, multiple sclerosis, osteoporosis, psoriasis, myasthenia gravis, ***human*** skin disease or injury such as photoaging damage, rhinitis, sunburn, dermatitis and burns, muscular dystrophy, insulin-dependent diabetes mellitus, systemic lupus erythematosus, Hairy cell leukemia, chronic myelogenous leukemia, cutaneous T cell lymphoma carcinoid tumors, renal cell carcinoma, squamous epithelial tumors of the head and neck, multiple myeloma, malignant melanoma, Hepatitis B, Hepatitis C or low grade non-Hodgkin lymphoma (claimed).

Dwg.0/4

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	127.48	184.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:55:54 ON 15 SEP 2006

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Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1653raw

PASSWORD:
  * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'EMBASE, BIOSIS, MEDLINE, SCISEARCH, CAPLUS, BIOTECHNO,
DGENE, PASCAL, TOXCENTER, ESBIOBASE, IFIPAT, LIFESCI, JICST-EPLUS, WPIDS,
BIOTECHDS, CABA, DISSABS, PROMT, BIOENG, DRUGU, ADISINSIGHT, EMBAL, AGRICOLA,
CONFSCI, GENBANK, NTIS' AT 13:56:14 ON 15 SEP 2006
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FILE 'SCISEARCH' ENTERED AT 13:56:14 ON 15 SEP 2006
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COPYRIGHT (C) 2006 Cambridge Scientific Abstracts (CSA)
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COPYRIGHT (C) 2006 CAB INTERNATIONAL (CABI)
FILE 'DISSABS' ENTERED AT 13:56:14 ON 15 SEP 2006
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FILE 'AGRICOLA' ENTERED AT 13:56:14 ON 15 SEP 2006
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   127.48     184.73

=> d his

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L1           175 S ALPHA(W) FETOPROTEIN

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     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006
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              88   FILE ANABSTR
               6   FILE AQUASCI
             121   FILE BIOENG
           10149   FILE BIOSIS
             298   FILE BIOTECHABS
             298   FILE BIOTECHDS
            2470   FILE BIOTECHNO
             343   FILE CABA
            5780   FILE CAPLUS
              20   FILE CEABA-VTB
              28   FILE CIN
             197   FILE CONFSCI
             102   FILE DDFB
               0*  FILE DDFU
                SEA L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE
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                1   FILE BIOTECHNO
                1   FILE CAPLUS
                1   FILE EMBASE
                1   FILE IFIPAT
                1   FILE MEDLINE
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              342   FILE USPAT2
L2              QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE
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     ENTERED AT 13:40:19 ON 15 SEP 2006
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L4            2 DUP REM L3 (0 DUPLICATES REMOVED)

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:42:03 ON 15 SEP 2006
              SEA L1 AND (MUTANT OR MUTATION OR MUTATE)
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              2   FILE ADISINSIGHT
              1   FILE AGRICOLA
              4   FILE BIOENG
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             15   FILE BIOTECHDS
            101   FILE BIOTECHNO
             11   FILE CABA
            140   FILE CAPLUS
              1   FILE CONFSCI
              2   FILE DDFU
             85   FILE DGENE
              7   FILE DISSABS
              3   FILE DRUGU
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             22   FILE WPIDS
             22   FILE WPINDEX
           5324   FILE USPATFULL
L5               QUE L1 AND (MUTANT OR MUTATION OR MUTATE)
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     FILE 'EMBASE, BIOSIS, MEDLINE, SCISEARCH, CAPLUS, BIOTECHNO, DGENE,
     PASCAL, TOXCENTER, ESBIOBASE, IFIPAT, LIFESCI, JICST-EPLUS, WPIDS,
     BIOTECHDS, CABA, DISSABS, PROMT, BIOENG, DRUGU, ADISINSIGHT, EMBAL,
     AGRICOLA, CONFSCI, GENBANK, NTIS' ENTERED AT 13:43:42 ON 15 SEP 2006
L6          478 S L5
L7          314 DUP REM L6 (164 DUPLICATES REMOVED)
L8          166 S L7 AND HUMAN
L9            0 S L8 AND 233
L10           0 S L8 AND (DOMAIN(W) II)
L11           1 S L8 AND (NONGLYCOSYLAT? OR (NON(W) GLYCOLYLAT?))
L12           1 S L8 AND PROKARYOT?

=> log h
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                               127.48      184.73

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:56:43 ON 15 SEP 2006
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